

Radius of the Universal Physical Constant
and the Expansion of the Universe, by
P. N. Kropotkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 4, June 1971, pp 798-800.
Vol 16, No 6, Dec 1971.

Comm. Inst. of Phys.

Jan 72

Existence of a Unique Solution of the Fundamental
Boundary-Value Problem in the Linear Theory of
Oceanic Circulation, by N. A. Rubnov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 128,
No 4, June 1971, pp 801-804.
Vol. 16, No 6, Dec 1971

Sov. Inst. of Phys.

JUN 72

Use of Electron Paramagnetic Resonance in Cu(II)
for the Study of the Structure of Oxide Glasses
of the System P_2O_5 -- Al_2O_3 -- Co_3O_4 , by

L. D. Bogomolova.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 128,
No 4, June 1971, pp 805-808.

Vol 16, No 6, Dec 1971

Chem. Abstr. of Phys.

Jan 72

Mechanism of the Scattering of Ions by Crystals,
by E. D. Mashkova.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 128,
No 4, June 1971, pp 809-812.
Vol 16, No 6, Dec 1971

Comm. Div. of Phys.

Jan 72

Gravity Anomalies in the Sea of Japan, by
P. A. Sturmyev, 7 pp.
RUSSIAN, per. ~~Usslsky Akademiya Nauk SSSR~~. Moscow.
Vol. 108, No. 6, 1971, pp 618-621.
JPRS 53968

Sept 71

Measurement of Concentration Distribution
After Diffusion by an Immersion Method Without
the Use of Layer Analysis, by V. Ya. Glendon.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov. Phys., Vol 15,
No 4, June 1971, pp 826-827.
Vol 15, No 6, Dec 1971

Chem. Summ. of Phys.

Jan 72

Temperature Relationship of the Proton
Relaxation Rate in Some 1 - 1 Electrolyte
Solutions, by A. N. Voronovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 193,
No 6, June 1971, pp 865-867.
CH

Mar 72

Investigation of Some Complexes of Cr(v)
With Oxygenated Environments by the EPR Method,
by G. Garif'yanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 868-871.
CIB

Mar 72

Kinetics of Some Reactions for Polymerization
and Polymer Destruction Studied by the Precipitation
Temperature Method, by V. M. Gol'dberg.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 195,
No 4, June 1971, pp 872-875.

CB

Mar 72

Adsorption From Four-Component Solutions, by
N. N. Grynzeva.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 876-879.

CB

Mar 72

Determination of the Rate Constants for the
Cationic Polymerization of Styrene by Pulse
Electrolysis, by F. S. D'yachkovskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 880-882.

KIB

Mar 72

Radical-Ionic Graft Copolymerization, by
V. Ya. Kabanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 4, June 1971, pp 883-884.
CE

Mar 72

Structure of the π -Electron Spectra of
Infinite Phenylpolyene Molecules, by

I. D. Mikhailov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198.

No 4, June 1971, pp 885-888.

CB

MM 72

Isotopic Exchange of Hydrogen in Ethyl and Benzyl
Derivatives of $C_5H_5Mn(CO)_3$ and $C_5H_5Mn(CO)_2PPh_3$.

by M. N. Nefedova.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 6, June 1971, pp 889-891.

CH

Mar 72

Mechanism of Cationic Polymerization of Conidine, by
E. F. Kuzvodovskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 6, June 1971. pp 894-897.
CB

Mar 72

Photochemical Properties of Silver Chloride,
Bromide, and Iodide, by K. V. Chibisov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 195,
No 4, June 1971, pp 898-900.
CB

Max 72

Propagation of Excitation Along a Homogeneous Fiber
in the Hillen-Bonhoeffer Model, by V. G. Levich.
RUSSIAN, part, Dok Ak Nauk SSSR, Biophys., Vol. 199,
No. 4, June 1971, pp 947-950.
CB

Jan 78

Some Structural Features of Water in Plant Tissues
According to Infrared Spectroscopic Data, by

H. V. Bedykh.

RUSSIAN, part, Dok Ak Nauk SSSR, Biophys., Vol 106,
No 4, 1971, pp 951-953.

CB

Jan '72

Relative Biological Effectiveness of 20-MeV Electrons
Assessed From Radionecrosis of Rabbit Brain Tissues,
by R. V. Smirnov.
RUSSIAN, peer, Dok Ak Nauk SSSR, Biophys., Vol 19,
No 4, June 1971, pp 954-955.
CB

Jan 72

Substances From Green Leaves as Possible Regulations
of the Night Reactions of Chloroplasts, by
N. A. Arulova.

RUSSIAN, per, Dok Ak Nauk SSSR, Bot. Sci., Vol 178,
No 4, June 1971, pp 956-958.

GE

700 72

Influence of Day Length on the Level of Activity
of an Muscimol-Like Inhibitor in Rudbeckia Plants,
by V. G. Kochankov.

HUNGARIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol 198,
No 4, June 1971, pp 959-962.

3B

Item 72

The Effect of pH on the Membrane Potential of the
Root Hair, by O. O. Lyalin,
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol 190,
No 4, June 1971, pp 963-965.
CIB

June 72

Effect of ATP, Inhibitors, and Uncouplers of
Photophosphorylation on the Transformation of
Kanthophylls in Leaves, by V. S. Gaskov.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot. Sci., Vol 170,
No 4, June 1971, pp 966-969.
GBH

JAN 72

Isolation and Identification of Physiologically
Active Indole-Type Substances From the Extra-
cellular Metabolites of *Clavaria*, by V. I. Tauts.
RUSSIAN, per, Dokl. Ak. Nauk SSSR, Bot. Ser., Vol. 121,
No. 4, June 1971, pp 970-973.
CEB

Jan 72

Total Content of Protein and Amount of Basic
Proteins in the Neurons and Neuroglia of the
Supraoptical and Red Nuclei of the Rat Brain
During Natural Sleep and Deprivation of the
Physiological Phase of Sleep, by G. G. Voronko.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 195,
No 4, June 1971, pp 974-977.
GHE

Jan 72

Degree of Indifference of Conditional Stimuli:
Photic Self-Stimulation, by M. S. Myerbohm.
RUSSELL, per, Dok Ak Nauk SSSR, Biol. Sci., Vol 191,
No 4, June 1971, pp 978-980.

Jan 72

Behavior of a Mechanoreceptor Neuron in an
Artificial Feedback Circuit, by R. G. Fetz.
RUSSETT, per, Doc Ak Nakh SSSR, Biol Sci., Vol 10,
No 4, June 1971, pp 981-984.
CS

Jan. 72

Effect of Lipophilic Radicals in the Molecules
of Curare-like Agents on the Mechanism of Their
Action, by D. A. Kharkovich.

RUSSIAN, per, Dokl. Ak. Nauk SSSR, Biol. Sci., Vol. 121,
No. 4, June 1971, pp. 985-988.

GB

Doc 72

Heterochromy in the Oogenesis of the Baikal
Cisco (*Coregonus autumnalis migratorius*), by
M. S. Zhirmova-Zalumi.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 199,
No 4, June 1971, pp 989-992.
CHI

Jkh 72

Two-Person Games With a Fixed Sequence of Turns.
by Yu. N. Gornyyar, 6 pp.
AMERICAN, per, Doklady Akademii Nauk SSSR, Moscow,
Vol 198, No 5, 1971, pp 1001-1004.
JPRS 53904

Sept 72

Problems of Linear Dynamic Programming, by
Yu. P. Izmailov, A. I. Propoy, 6 pp.
RUSSIAN, Jour. Doklady Akademiya Nauk SSSR, Moscow.
Vol. 198, No 5, 1971, pp 1011-1014.
JPRS 53944

Sept 71

Inoperknetric Variational Problems in Field
Theory, by A. G. Iosif'yan.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 14,
No 5, June 1971, pp 1036-1039.
Vol 15, No 6, Dec 1971

Class. Soviet. of Phys.

Jan 72

Possible Properties of Weak Interactions at High
Energies, by S. A. Azimov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 12,
No 5, June 1971, pp 1040-1042.
Vol 15, No 6, Dec 1971
Quart. J. Math. of Phys.

Jan 72

Photochemical Effect of Infrared Radiation, by
N. I. Rasov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 5, June 1971, pp 1043-1045.
Vol 16, No 6, Dec 1971
Chem. Abstr. of Phys.
APR 1972 12196-07c

Jan 72

Influence of Carbon on Structure Formation in
Molybdenum Castings, by N. V. Ageev.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 14 ,
No 5, June 1971, pp 1046-1049.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

June 72

Saturation of the Volt-Ampere Characteristic of
Cobaltium Selenide Films on Barium Strontium
Titanate Substrates for Superionic Drift Velocity
of the Carriers, by A. R. Bryussin.

RUSSIAN, per, Dokl. Ak. Nauk SSSR, Sov. Phys., Vol. 14,
No. 5, June 1971, pp 1050-1051.
Vol. 15, No. 6, Dec 1971

Comm. Div. of Phys.

Jan 72

Effect of Hydrostatic Extrusion on the Structure
and Properties of Cast Zinc, by A. A. Galkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 12,
No 5, June 1971, pp 1052-1054.
Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Item 72

Observation of Dielectrophoresis Under the
Conditions of Weightlessness, by I. V. Efirko.
RUSSIAN, per, Dok Ak Nauk SSSR, Soy. Fiz., Vol 16,
No 5, June 1971, pp 1055-1057.
Vol 16, No 6, Dec 1971

Ann. Invent. of Phys.

Math 72

Attenuation of a Light Beam by Turbulent
Fluctuations, by S. S. Kutateladze.
RUSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 14,
No 5, June 1971, pp 1058-1059.
Vol 16, No 6, Dec 1971

Sov. J. of Phys.

Unit 72

Contact Melting in the Bismuth-Lead System
by N. N. Milova.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 12,
No 51, June 1971, pp 1060-1062.
Vol 16, No 6, Dec 1971

Ann. Soviet. of Phys.

June 72

Concentration Depolarization of the Membrane
of Low-Fluorinity Solutions, by A. H. Derzhavskii.
BIOCHIM. per, Dokl. Ak. Nauk SSSR, Sov. Phys., Vol. 14,
No. 5, June 1971, pp 1063-1065.
Vol. 15, No. 5, Dec 1971

Chem. Abstr. of Phys.

Jan 72

The K α X-Ray Emission Band of Nitrogen in
Bismuth Nitride of Limiting Composition and
in the Region of Homogeneity (2BiN_x), by
K. K. Frontsevizh.

RUSSIAN, per, Dokl. Ak. Nauk SSSR, Sov. Phys., Vol. 19,
No 5, June 1971, pp 1056-1059,
Vol. 16, No 6, Dec 1971

Chem. Abstr. of Phys.

Page 22

Crystal Structure of Legerandite $\text{Ca}_2\text{As}_2\text{O}_7$. Ca_2O .

by D. Yu. Puzhcharovskii.

RUSSIAN, per, Dok Ak Nauk SSSR, Ser Phys. Vol 177,

No 5, June 1971, pp 1072-1075.

Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Kinetics of Polymer Flow on Solid Surfaces, by
V. V. Arslanov.
RUSSIAN, per. Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1113-1116.
CB

Mar 72

Interaction of Excited Atoms of the Alkali
Metals With Atoms of the Noble Gases, by
A. A. Belyaeva.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No. 5, June 1971, pp 1117-1120.
GD

Mar 71

Possibility of Applying Difference Interpolation
to Calculation of the Physicochemical Properties
of Molecules, by Yu. K. Knotel'.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1121-1123.
CB

Mar 712

Structure of Polyethyleneglycol Complexes of
Diethylaluminum Chloride, by A. A. Popov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1124-1126.
CII

Mar 72

Role of the $R + R \rightarrow H$ Chain - Transfer Reaction
in the Degenerate-Branched Chain Oxidation of
Hydrocarbons, by V. S. Rafikova.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 6, June 1971, pp 1131-1134.
Ch

Mar 72

Integral Chemiluminescence of Flames, by
A. I. Roshlovskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 3, June 1971, pp 1135-1138.
CH

Mar 72

Stability of Latent-Image Centers With a Change
in the Anion Sublattice, by A. A. Trubnikova.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 195,
No 3, June 1971, pp 1139-1142.
CII

Mar 72

Dislocation Mechanism of Electrocrystallization
of Filamentary Crystals of Silver, by
D. V. Medoshev.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198.
No 5, June 1971, pp 1143-1145.
CB

Mar 72

Influence of Pressure on the Parameters of
the EPR Spectra of Copper Diethyldithiocarbamate
in Liquid Solutions, by A. I. Filippov.

RUSSIAN, per. Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 5, June 1971, pp 1146-1147.

CE

Mar 72

Effect of Molecular Diffusion on the Mass-Transfer
Rate in Liquids With Different Surface Tensions and
Viscosity Interacting With Gases, by

I. A. Gil'denblat.

RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech, Vol 198,
No 5, June 1971, pp 1149-1151.

CH

Jan 72

Chromatin Displacement During Spermatogenesis
in the Crayfish and Possible Evolutionary
Significance of this Phenomenon, by
A. N. Steditskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 173,
No 5, June 1971, pp 1203-1206.
CB

Jan 72

Disturbance in DNA Matrix and Mutation Diseases
of Plants, by O. P. Golikova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 126,
No 3, June 1971, pp 1207-1210.

CH

Jan 72

Metabolism of Benz(A)Pyrene by Various Soil
Microflora and Isolated Microorganisms, by
K. N. Poplanova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 5, June 1971, pp 1211-1213.
CB

June 72

Blocking of Impulse by an Inhomogeneity in an
Electrochemical Nerve Model, by V. G. Levich.
RUSSIAN, part, Dok Ak Nauk SSSR, Biophys., Vol 1971,
No 5, June 1971, pp 1214-1216.
CB

Jan 72

Polyphenolic Compounds of the Leaves of Tobacco
Plants of Different Photoperiodicity, by
N. Ya. Origor'eva.
RUSSIAN, per, Dok Ak. Nauk SSSR, Biochem., Vol 193,
No 5, June 1971, pp 1217-1220.
GB

Jan 72

Effect of Some Complex Illumination Sequences
on the Rate of Sexual Maturation in Arabidopsis,
by L. F. Telikanov.
RUSSIAN, per, Dokl Ak Nauk SSSR, Bot Sci., Vol 127,
No 5, June 1971, pp 1221-1224.
CH

Jun 72

Adaptive Changes of the Retina in the Ontogenesis
of *Goldfish melanostomus* (Pall.), by
K. I. Moskal'kova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 170,
No 5, June 1971, pp 1225-1227.
CB

Jan 72

Study of the Structure and Function of the
Thyroid in Females of the Lapland Whitefish
(*Coregonus lavaretus* L.) During Annual and
Biannual Spawning, by A. V. Zeitsev.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci, Vol 191,
No 5, June 1971, pp 1228-1231.
CB

Jan 72

Morphological Evolution of the Genes in
Hymenolepididae and Dilepididae, by A. A. Spasskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 133,
No 5, June 1971, pp 1233-1234.
DB

Each 72

Measurement of Reaction Time to the Appearance
and Disappearance of Brief Sensory (Auditory)
Stimuli for the Purpose of Measuring the
Duration of Sensation, by S. M. Pribludn.
RUSSIAN, per Dok Ak Nauk SSSR, Biol Ser., 7: 149,
No 5, June 1971, pp 1235-1236.
33

Jan 72

Regulation of the Activity of Neurosecretory Cells
of the Subesophageal Ganglion of *Oryzias latipes*
L., by W. V. Kind.

RUSSIAN, per, Dokl. Ak. Nauk SSSR, Biol. Sci., Vol 198,
No 5, June 1971, pp 1239-1241.

GB

Jan 72

Dynamics of the Formation of the Fractional
Composition of Hemoglobin in the Early
Ontogenesis of the Russian Sturgeon (*Acipenser
guldenstedti* BRANDT), by V. I. Luk'yanenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 196,
No 5, June 1971, pp 1242-1244.
CH

June 72

Influence of Enteral Introduction of Supplementary Factors of Nutrition (Methionine, Glutamic Acid, Vitamins of the B-Complex, and Yeasts) on the Brain Circulation During Chronic Mental Fatigue in Children, by Yu. M. Pratusovich.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 193, No 5, June 1971, pp 1245-1248.

CB

Jan 72

Thermal Theory of the Flow of a Viscous Liquid,
by A. G. Merzhanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 6, June 1971, pp 1291-1294.
Vol 14, No 6, Dec 1971

Chem. Abstr. of Phys.

Jan 72

Distortion of Hollow Piecewise-Homogeneous Teardrop
by G. A. Kutateladze.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 193,
No 6, June 1971, pp 1295-1298.

Vol 15, No 6, Dec 1971

Comm. Soviet. of Phys.

Jan 72

Calculation of the Strength of Brittle Materials
With Allowance for Static Friction, by

A. I. Murukov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 6, June 1971, pp 1299-1302.

Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Experimental Determination of Population Inversion
in a CaWO_4 crystal, by N. K. Bel'skii.

RUSSIAN, per, Dokl. Ak. Nauk SSSR, Sov. Phys., Vol 198,
No 6, June 1971, pp 1303-1305.

Vol 16, No 6, Dec 1971

Ann. Inst. of Phys.

Jan 72

Measurement of the Noise Level of Langmuir
Oscillations in a Beam-Plasma System Based
on Stark Broadening of the Spectral Lines of
Hydrogen, by L. P. Zakatov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 198,
No 6, June 1971, pp 1306-1309.
Vol 16, No 6, Dec 1971

Phys. Lett. of Phys.

Jan 72

Polarization Effect in Ion-Electron Emission
During the Interaction of Ar Ions With the
Surface of Ge and InAs, by N. M. Omel'yankovskaya.
RUSSIAN, per, Dokl. Ak. Nauk SSSR, Sov. Phys., Vol 120,
No 6, June 1971, pp 1310-1313.
Vol 16, No 6, Dec 1971

Dokl. Akad. Nauk SSSR

Jun 72

Temperature Dependence of the Yield Point of
Single Polycrystalline Aggregates After Subjection
to High Hydrostatic Pressures, by V. I. Zaitsev.
RUSSIAN, per, Dokl. Ak. Nauk SSSR, Sov. Phys., Vol 13th,
No 6, June 1971, pp 1314-1315.
Vol 15, No 6, Dec 1971

Chem. Abstr. Phys.

Jan 72

Phase Transitions Near the Stoichiometric
Composition Ni_3Mn , by D. F. Livin.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys., Vol 168,
No 6, June 1971, pp 1316-1319.
Vol. 16, No 6, Dec 1971

Ann. Inst. of Phys.

June 72

Relaxation Processes in a Michelson Laser
Interferometer With Phase Modulated Q Factor, by
R. I. Goloukhin.
RUSSIAN, per, Dokl Ak Nauk SSSR, Sov Phys., Vol 131,
No 6, June 1971, pp 1320-1322.
Vol 14, No 6, Dec 1971

Opt. Instr. of Phys.

Jan 72

On the Relationship between α , ω -Dicarboxylic Acid
Branching and Cyclic Ketone Yields, by A. L. Liberman.
RUSSIAN, per, Dokl Akad Nauk SSSR, 198, 1971,
pp 1344-1347.

pp *AEC/UCRL-Tr-1455

Feb 72

Investigation of Molecular Motion in Organic
Crystals by the Paramagnetic Probe Method, by

A. I. Mol'shakov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem, Vol 198,
No 6, June 1971, pp 1356-1359.

CJ

Max 72

Mass Spectrometric Measurement of the
Rate Constants for the Reactions of
Hydrogen and Fluorine Atoms With Methyl
Iodide and Trifluoriodomethane, by
I. O. Leipunskii.

RUSSIAN, per, Dok Ak Nauk USSR, Phys Chem.
Vol 198, No 6, June 1971, pp 1367-1370.

CB

Mar 72

H_2SO_4 - H_2O Equilibrium in Concentrated
Sulfuric Acid Solutions, by N. B. Litrovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 198, No 6, June 1971, pp 1371-1373.
CB

X MAR 72

Rescuable Capacity of the Solvated Electron
in Irradiated Methyl Alcohol, by A. K. Pikaev.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem.
Vol 198, No 6, June 1971, pp 1374-1377.
CB

Mar 72

Critical Character of the Inhibiting Activity
of Copper BIS -(3-OXY-2-Iminomethylbenzo(b) -
Thiophenolate) in Oxidation of Hydrocarbons, by
L. A. Smurova.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 198, No 6, June 1971, pp 1378-1381.

CB

Mar 72

Effect of Grinding Calcite on the Equilibrium
and Heat of its Thermal Dissociation, by
G. S. Khodakov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol. 190, No 6, June 1971, pp 1382-1385.
(C)

Mar 72

Investigation of the Contact Reaction Between
Solid Particles With Polymer Molecules Adsorbed
on the Surfaces, by E. D. Yakimov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem.

Vol 198, No 6, June 1971, pp 1386-1388.

(U)

Page 72

Effect of Surface Tension on Mass-Transfer Intensity
in Turbulent Flows of Liquids Reacting With Gases on
a Free Surface, by I. A. Gil'denklat.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chem Tech., Vol 148,
No 6, June 1971, pp 1389-1392.

CB

Jan '72

Corrosion Cracking of Low-Carbon Steels in Boiling Nitrate Solutions, by G. V. Karpenko.

RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech., Vol 198, No 6, June 1971, pp 1393-1396.

CB

Migrations of Chromatin During Nuclear Secretion
in the Deferent Gland of the Shore Crab
(*Cardinus maenas*) and the Evolutionary Significance
of this Phenomenon, by A. N. Studitskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 123,
No 6, June 1971, pp 1439-1441.
23

Jan 72

Mutagenic Effect of Alkyl Phosphates on Phage
DNA and Alkylation of Phage DNA, by
E. D. Khononova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 6, June 1971, pp 1442-1444.
CE

Jan 72

Interaction of Tobacco Mosaic Virus (TMV) With
Phospholipid Monolayers Treated With Ultrasound,
by G. A. Deborin.
RUSSIAN, part, Dok Ak Nauk SSSR, Biophys., Vol 198,
No 6, June 1971, pp 1445-1448.
CB

Jan 72

An Investigation of the Thermal Destruction of T2 Phage
and Its Components by the Methods of IR Spectroscopy
and Adiabatic Calorimetry, by M. A. Semenov.

RUSSIAN, part, Dok Ak Nauk SSSR, Biophys., Vol 198,
No 6, June 1971, pp 1449-1451.

CEI

Jan 72

Absorption Potentials at Heptane-Water Interface in
Presence of Valinomycin, by A. N. Frumkin.

RUSSIAN, per, Dok Ak Nauk SSSR, Biophys., Vol 190,
No 6, June 1971, pp 1452-1454.

CB

Jan 72

Changes in the Acetylcholinesterase Activity of
Specific Regions of the Cerebral Cortex of Rats
During Learning, by N. G. Aleksidze.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem. Vol 195,
No 6, June 1971, pp 1455-1456.
CIB

Jan 72

Elucidation of the Secondary Structure of Bacterial
Membrane Proteins on the Basis of Infrared Spec-
troscopy Data, by V. I. Binyukov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 198,
No 6, June 1971, pp 1457-1460.

CIB

Item 72

Action of Antibiotics on the Protein-Synthesizing
Systems of the Kinetoplasts and Cytoplasm of the
Zooflagellate *Strigomonas oncopelti*, by
G. N. Zaitseva.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 198,
No 6, June 1971, pp 1461-1464.
CIB

Doc 72

Effect of Red Light of Different Wavelengths on
the Reaction of Isopoxidation of Violaxanthin,
by D. L. Sapozhnikov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 198,
No 6, June 1971, pp 1465-1467.
CB

Start 72

Isolation of Nuclei From Cardiac and Skeletal
Muscle and Their Enzymological Characteristics,
by A. I. Bilakova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 198,
No 6, June 1971, pp 1468-1470.
CIB

Jan 72

Correlation of Activity of Adjacent Neurons
of the Somatosensory Lobe of the Cat Cortex, by
P. V. Mol'nichuk.
RUSSIAN, per, Dokl Ak Nauk SSSR, Biol Sci., Vol 198,
No 6, June 1971, pp 1471-1473.
CND

June 72

Dynamics of Noradrenalin Concentration in the
Rat Myocardium in Altitude Hypoxia, by
M. G. Pukhennikova,
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 198,
No 6, June 1971, pp 1474-1477.
GB

June 72

Optimal Control With Incomplete Information, by
Yu. N. Zhuravlin.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys. Vol 199,
No 1, July 1971, pp 44-47.

Am Inst of Phys

Vol 16, No 1, Jan 1972

Mar 72

Stability of a Plane Ionizing Shock Wave, by
O. A. Sinkovitch.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 199,
No 1, July 1971, pp 48-50.
Am Inst of Phys
Vol 10, No 7, Jan 1972

Mar 72

Basic Postulates of the Theory of Plasticity,
by M. Ya. Leonov,
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 199,
No 1, July 1971, pp 51-54.
Am Inst of Phys
Vol 16, No 7, Jan 1972

Mar 72